Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2018 01:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124430	-1	1.92	124435	1.93
Blue	F	SSC	125000	122903	-2	3.74	123709	3.74
Blue	E	FITC	15492	15113	-3	3.69	349	21.63
Blue	D	PE	28736	28001	-3	3.01	617	16.19
Blue	B	PerCP-Cy5-5	41413	40977	-2	4.57	1129	22.25
Blue	A	PE-Cy7	31321	31201	-1	6.90	565	45.62
Red	C	APC	41673	40958	-2	2.90	1580	13.29
Red	A	APC-Cy7	29962	29780	-1	2.83	742	14.03
Violet	B	V450	8318	7859	-6	4.22	433	14.98
Violet	A	V500	34199	33531	-2	4.01	808	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20286	3.20	602	-11	N/A	N/A	Pass
Blue	F	SSC	55592	3.35	570	2	N/A	N/A	Pass
Blue	E	FITC	58	72.23	553	-8	0.0163	149	Pass
Blue	D	PE	122	56.05	552	-8	0.1298	261	Pass
Blue	B	PerCP-Cy5-5	212	54.29	656	-11	0.0079	75	Pass
Blue	A	PE-Cy7	112	112.68	711	-11	0.0099	25	Pass
Red	C	APC	363	28.66	600	-1	0.0196	156	Pass
Red	A	APC-Cy7	185	31.01	576	0	0.0046	866	Pass
Violet	B	V450	65	69.02	471	-6	0.0359	1761	Pass
Violet	A	V500	114	37.79	490	-4	0.0195	880	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.08	-32.37	1.12
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.90	13.60 - 20.40	N/A	N/A	29.32	29.96	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11158

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments